

Certificate of Analysis

Product Name :	ARA290 (Cibinetide) TY-A-11366	CAS No. :	
Molecular Formula:	C51H84N16O21	Molecular Weight :	1257.31
Quantity:	180g	Manufacturing Date:	2025-09-08
Lot No:	P25090811366	Retest Date :	2027-09-07
Sequence	H-Pyr-Glu-Gln-Leu-Glu-Arg-Ala-Leu-Asn-Ser-Ser-OH		
Store at :	Cool dry place(away from the light)		
Tests :	Specifications	Results	
Appearance	White powder	Conforms	
Purity(HPLC)	≥98.0%	99.03%	
Saltless Content(HPLC)	unsalted	Conforms	
Peptide Content (N%)	≥80.0%	91.69%	
Water Content (Karl Fischer)	≤10.0%	2.452%	
MS (ESI)	Conforms	Conforms	
Mass Balance	95.0~105.0%	Conforms	
Conclusion: Complies with the manufacturer's standard.			

Quality Control by :	2025-09-16
Quality Assured by:	2025-09-16

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Product	CustomPeptide	CAS No.:	N/A
Product No.	ARA-290	Molecular Formula	C51H84N16O21
Sequence	Glp-Glu-Gln-Leu-Glu-Arg-Ala-Leu-Asn-Ser-Ser		
Batch No.	602890-25042401-01	Quantity	266.0g
Mfg. Date	May.21th, 2025	Retest Date	May.20th, 2027

[[ITEMS]]	[[SPECIFICATIONS]]	[[RESULT]]
Appearance	White powder	White powder
Solubility	Soluble in H2O	Conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	Conforms
Amino acid content	Ala 0.9-1.1	1.0
	Ser 1.8-2.2	2.0
	Leu 0.9-1.1	1.0
	Asn 0.9-1.1	1.0
	Glx 3.6-4.4	4.0
	Arg 0.9-1.1	1.0
Mass spectrum	1257.3±1.0	1257.0
Purity(HPLC)	NLT 98.0%	99.4%
Acetic acid	NMT 0.5%	N.D
Trifluoroacetate	NMT 0.5%	N.D
Water content(KF)	NMT 8.0%	5.6%
Sodium ion	1.0-4.0%	2.2%
Peptide content(%)	NLT80.0%	91.6%
Residual solvent	Methylene chloride NMT 600ppm	N.D
	Acetonitrile NMT 410ppm	186ppm
	Methyl tert-butyl ether NMT 5000 ppm	2ppm
	DMF NMT 880ppm	N.D